

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re the Application of

Inventors: Hisao KOGA, et al.

Art Unit: 2631

Application No.: 10/780,898

Filed: February 19, 2004

For: RECEIVING APPARATUS AND METHOD FOR DIGITAL MULTI-CARRIER
TRANSMISSION

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Dear Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the art listed on the attached Form PTO 1449. All of these references, except the Maivar article, US ' 539, US '256, US '398, US '246 and '610, were cited in a Partial International Search Report.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106. Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

James E. Ledbetter
Registration No. 28,732

Date: August 6, 2004

JEL/ejw
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FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/02) Patent and Trademark Office

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

L8612.04104

SERIAL NO.

10/780,898

APPLICANT

Hisao KOGA, et al.

FILING DATE

February 19, 2004

GROUP

2631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 8 6 7 4 7 8	02/1999	Baum et al.			
	6 4 3 8 1 8 6	08/2002	Strait			
	6 1 7 2 9 9 3	01/2001	Kim et al.			
	5 9 9 5 5 3 9	11/1999	Miller			
	6 5 3 2 2 5 6	03/2003	Miller			
	5 4 9 7 3 9 8	03/1996	Tzannes et al.			
	5 6 3 6 2 4 6	06/1997	Tzannes et al.			
	5 6 3 1 6 1 0	05/1997	Sandberg et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
9 9 5 5 0 3 0	10/1999	WO			
0 9 1 3 9 7 2	05/1999	EP			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Cheong et al. "Discrete Wavelet Transforms in Multi-Carrier Modulation," IEEE Globecom, The Bridge to Global Integration, IEEE Global Telecommunications Conference, XP000801553, vol. 5, ppgs. 2794-2799, 1998.

H. S. Maivay "Signal Processing with Lapped Transforms," Artech House, Inc., ISBN 089006-467-9, ppgs. 204-217, 1992.

Partial International Search Report dated June 25, 2004.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.